



# EXCHANGE METHOD AND APPARATUS

## Abstract of Disclosure

Methods and data processing systems for securely communicating between a web server system and a client browser system by associating a secure hypertext transfer protocol (e.g., SSL or https) with a first port number (e.g., port 80) that is normally associated with a non-secure hypertext transfer protocol (e.g., http), thereby allowing secure communications using the secure protocol even through a data communications channel (e.g., one that includes a firewall system) that would block attempts to use the secure hypertext transfer protocol in association with its normal port number (e.g., port 443).

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